

**UNITED STATES DISTRICT COURT
FOR THE WESTERN DISTRICT OF TEXAS
WACO DIVISION**

LEXINGTON LUMINANCE LLC,	§	
	§	
Plaintiff,	§	
	§	
v.	§	Civil Action No. 6:24-cv-144-ADA-DTG
	§	
TCL ELECTRONICS HOLDINGS	§	JURY DEMANDED
LTD. (F/K/A TCL MULTIMEDIA	§	
TECHNOLOGY HOLDINGS, LTD.)	§	
and	§	
TCL INDUSTRIES HOLDINGS CO.,	§	
LTD.	§	
	§	
Defendants.	§	
	§	

CLAIM CONSTRUCTION ORDER

Before the Court are the Parties’ claim construction briefing: Defendant’s Opening and Reply Briefs (ECF Nos. 35 and 40, respectively), Plaintiff’s Responsive and Sur-Reply Briefs (ECF Nos. 36 and 41, respectively), and the Parties’ Joint Claim Construction Statement (ECF No. 43). The Court provided the Parties with preliminary constructions on March 23, 2025, and after consultation, the Parties decided that a *Markman* hearing was not necessary. The Court issues this Order to memorialize the Court’s final claim construction rulings for the parties, and to inform the parties that the Court will issue a more-detailed Order explaining its analysis in due course. The deadline to file any objections to the undersigned’s claim construction rulings (pursuant to Federal Rules of Civil Procedure 59 and 72) does not begin to run until the more-detailed Order is entered on the docket.

IT IS SO ORDERED.

SIGNED this 24th day of March, 2025.

A handwritten signature in black ink, appearing to read "Derek T. Gilliland", is written over a horizontal line.

DEREK T. GILLILAND
UNITED STATES MAGISTRATE JUDGE

Disputed Claim Constructions:

Claim Term	Claim Number	Plaintiff's Proposal	Defendants' Proposal	Court's Preliminary Constructions
a sloped smooth etching profile... without a prescribed angle of inclination	Claim 15	when viewed in outline from the side, the trenches have etched sloped smooth sides without a constant angle of inclination Furthermore, “etching” is three-dimensional. Furthermore, the entire portion of the etching profile that is sloped is to be curved.	when viewed in outline from the side, the trenches have etched sloped smooth sides without a constant angle of inclination	when viewed in outline from the side, the trenches have etched sloped smooth sides without a constant angle of inclination
comprising a plurality of inclined lower portions	Claims 1, 2, 15-18	including two or more [lower portions] that are inclined relative to the overall plane of the substrate	including two or more [portions] that are [adjacent to the substrate] and inclined relative to the overall plane of the substrate	including two or more [lower portions] that are inclined relative to the overall plane of the substrate
low defect density	Claim 2	a lower defect density than it otherwise would without the claimed textured district Alternatively, plain and ordinary meaning. No construction required.	Indefinite Alternatively, reduced defect density relative to a structure having an etched profile with a prescribed angle of inclination	Not indefinite. a lower defect density relative to a structure without the claimed textured district
first layer	Claims 1, 2, 15	Plain and ordinary meaning. No construction required.	a thickness of material [exhibiting a lattice constant], which may be made	Plain and ordinary meaning

		<p>Note: A layer may be made up of sublayers</p> <p>Alternatively, a [first] thickness of material, which may be made up of sublayers, but does not refer to a substrate</p>	up of sublayers, but does not refer to a substrate	
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Agreed Claim Constructions:

Claim Term	Claim Number	Joint Proposal
a sloped etching profile with a smooth rotation of microfacets	Claims 1 & 2	“when viewed in outline from the side, the trenches have etched sloped sides made up of a smooth rotation of microfacets.”
a sloped etching profile... without a prescribed angle of inclination	Claims 1 & 2	when viewed in outline from the side, the trenches have etched sloped sides without a constant angle of inclination
layer	Claims 1, 2, 15	Plain and ordinary meaning. No construction needed.
having	Claims 1, 15	including but not limited to
trenches	Claims 1, 2, 15-18	areas in the surface of the substrate from which some amount of material is removed in order to create a pattern on the surface of the substrate
disposed on	Claims 1, 15	applied directly or indirectly above
lattice-mismatched misfit system	Claims 1, 15	a system in which a crystal layer exhibiting one lattice constant is disposed on a substrate that exhibits a different lattice constant
active layer	Claims 1, 15	the layer in the light-emitting device that emits the light
substrate	Claims 1, 15	the supporting material upon which the other layers of a light-emitting device are grown
microfacets	Claims 1, 15	very small planes that make up a surface contour

whereby said plurality of inclined lower portions are configured to guide extended lattice defects away from propagating into the active layer	Claims 1, 15	such that the inclined lower portions are shaped to reduce the propagation of extended lattice defects into the active layer
said substrate is selected from the group comprising group III-V, group IV, group II-VI elements and alloys, ZnO, spinel and sapphire	former Claim 1	Plain and ordinary meaning. No construction needed.
having at least one of a group consisting of group III-V, group IV, group II-VI elements and alloys, ZnO, spinel and sapphire	Claims 1, 15	Plain and ordinary meaning. No construction needed.
group III-V . . . elements and alloys	Claims 1, 15	an alloy of at least one group III element (i.e., boron, aluminum, gallium, indium, thallium) and at least one group V element (i.e., nitrogen, phosphorous, arsenic, antimony, bismuth)
group IV . . . elements and alloys	Claims 1, 15	a group IV element alone (i.e., carbon, silicon, germanium, tin, lead), or an alloy of two or more group IV elements
group II-VI . . . elements and alloys	Claims 1, 15	Plain and ordinary meaning. No construction required.
light-emitting structure	Claims 1, 15	Plain and ordinary meaning. No construction required.
extended lattice defects	Claims 1, 15	Plain and ordinary meaning. No construction required.
sharp corners	Claim 15, 17	Plain and ordinary meaning. No construction required.
the sides of said etched trenches are without a prescribed angle of inclination	Claim 18	the sides of said etched trenches are without a constant angle of inclination